

SCIENCE

And Technology Program



Theme Area: Water Resources

Program Area: Watershed and River Systems Management Program

Project No.: WR00.06

Project Title: Enhanced Water Quality thru Improved Water Operations in the Yakima Basin

Principal Investigator: Chris Lynch, e-mail: clynch@pn.usbr.gov

Co-Principal Investigators: Curt Hartzell

Abstract: Reclamation has implemented a Decision Support System (DSS) developed under the Watershed and River Systems Management Program (WaRSMP) that provides a Modular Modeling System (MMS), a relational database called Hydrologic Database (HDB), and a reservoir and river system modeling tool called RiverWare. The RiverWare system was installed in the Yakima basin in FY98-99 and will be implemented as an operational tool in FY00 to improve water operations, and thus enhance water quality throughout the basin. This study will enhance the forecasting capability for demand and supply by implementing the evapotranspiration (ET) Toolbox for demand forecasts, and National Centers for Environmental Prediction quantitative forecast information into the Hydrologic Data Base for MMS water supply forecasts.

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